

SYM 2081

Chemical Properties

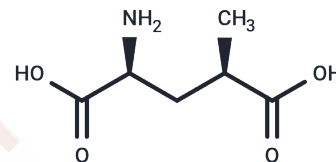
CAS No. : 31137-74-3

Formula: C₆H₁₁NO₄

Molecular Weight: 161.16

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	SYM 2081 is a specific kainate receptor agonist with an IC ₅₀ value of 35 nM for [3H]-kainate binding. SYM 2081 depolarizes the muscle and reduces the EPSP amplitude.
Targets(IC ₅₀)	Bcl-2 Family,Caspase,iGluR,transporter

Solubility Information

Solubility	H ₂ O: 45 mg/mL (279.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.205 mL	31.0251 mL	62.0501 mL
5 mM	1.241 mL	6.205 mL	12.410 mL
10 mM	0.6205 mL	3.1025 mL	6.205 mL
50 mM	0.1241 mL	0.6205 mL	1.241 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lee JY, et al. Furthering pharmacological and physiological assessment of the glutamatergic receptors at the Drosophila neuromuscular junction. Comp Biochem Physiol C Toxicol Pharmacol. 2009 Nov;150(4):546-57.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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